

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the present title with the following amended title:**

**RECORDING MEDIUM CARTRIDGE HAVING CARTRIDGE MEMORY WITH  
FRAGILE PORTION**

**Please replace the paragraph at page 1, third full paragraph with the following new paragraph:**

In the meantime, ~~Meantime~~, the conventional magnetic tape cartridge is set so that recording/reproducing and modifying data can be repeated. Therefore, it is difficult to simply verify data authentication, that is, whether or not it ~~is~~ has been tampered with. Especially, in fields of medical care, law, and the like, the data authentication recorded in the tape cartridge is required to be assured, and it is needed to simply verify the data authentication.

**Please replace the paragraph bridging pages 1 and 2 with the following new paragraph:**

In order to solve the problem, for example, a method for verifying the data authentication ~~is thought of~~ contemplated, by recording information which shows data before ~~tampered~~ tampering and comparing it with information produced from data which is reproduced from a magnetic tape in reproducing. However, there exists a problem in that the method results in not being able to assure data authentication if the magnetic tape and cartridge memory are changed to a magnetic tape after being tampered with and its corresponding cartridge memory.

Please replace the paragraph bridging pages 2 and 3 with the following new paragraph:

According to the invention, for example, in the case that a third party tampers with the content of a magnetic tape cartridge for the purpose of tampering with the magnetic tape and changes the magnetic tape and cartridge memory, which are the content of the tape cartridge, to content of another magnetic tape cartridge ~~intended to tamper~~, if disassembling the cartridge case trying to take out both of the magnetic tape and cartridge memory, the fragile portion of the cartridge memory is broken, thereby resulting in the information of the cartridge memory being unable to be read. Therefore, if changing the recording medium and cartridge memory for the purpose of tampering with the magnetic tape to another recording medium and cartridge memory is tried, the cartridge memory itself is broken, thereby an act of changing in itself becomes impossible. Moreover, by the cartridge memory being broken in this way, a proof of ~~intended~~ intentional tampering remains. That is, because the proof surely remains in this way, a user does not use a magnetic tape without knowing ~~being that it has been~~ tampered with, whereby the data authentication is assured.

On page 3, please replace the second full paragraph with the following new paragraph:

~~Fig. 1B~~ Fig. 1B is ~~aan~~ exploded perspective view showing ~~aan~~ exploded state of the magnetic tape cartridge of ~~Fig. 1A~~ Fig. 1A.

**On page 3 after the second full paragraph (in the Brief Description of the Drawings), please insert the following:**

Fig. 2A is an enlarged perspective view showing a main part within a magnetic tape cartridge related to the invention.

Fig. 2B is an exploded perspective view showing an exploded state of the magnetic tape cartridge of Fig. 2A.

**Please replace the fourth full paragraph on page 3 with the following new paragraph:**

As shown in FIGS. 1A ~~[[and.]]~~ and 1B, an appearance of a magnetic tape cartridge (recording medium cartridge) 1 is composed of a cartridge case 1C divided into a lower half A 1A and upper half 1B. A magnetic tape (recording medium) MT and cartridge memory 2 for recording data are mainly provided inside the cartridge case 1C.

**Please replace the paragraph bridging pages 3 and 4 with the following new paragraph:**

The cartridge memory 2 is a rectangular sheet form electronic component as a whole, of which main body is an IC chip (not shown in the drawings) sealed in a ~~glove~~ globe top 2c which is a sealant composed of resin, and the IC chip is wired on a loop antenna 2b printed on a board 2a. A cut-off line portion 2d (fragile portion) along a longitudinal direction is formed at ~~an~~ approximately the center in a lateral direction, and one side portion 2e bordered on the cut-off line portion 2d is firmly fixed to a side wall 11B of the upper half 1B with an adhesive A, while

the other side portion 2f is firmly fixed to a side wall 11A of the lower half 1A with the adhesive A. Meanwhile, the cut-off line portion 2d is formed in such a way that fine holes are arrayed like a perforation from one end of the cartridge memory 2 to the other end so that the memory 2 is separated into two.

**Please replace the first full paragraph on page 4 with the following new paragraph:**

Then, in a case ~~that~~where a third party tampers with the content of the magnetic tape cartridge 1 for the purpose of tampering with the magnetic tape and changes its content, the magnetic tape and cartridge memory 2, to a content of the magnetic tape cartridge 1 intended to ~~tamper~~be tampered with are described. Firstly, in the case that the third party tries to take out the content from the magnetic tape cartridge 1 which he/she has tampered with, if the cartridge case 1C is disassembled as shown in Fig. 1B, the cartridge memory 2 is broken at the cut-off line portion 2d, thereby being separated into two portions. On the other hand, in the case that the third party tries to take out the content from the magnetic tape cartridge 1 which he/she tries to tamper with, if the cartridge case 1C is disassembled, the cartridge memory 2 is broken from the cut-off line portion 2d same as above, thereby being separated into two.

**Please replace the paragraph bridging pages 4 and 5 with the following new paragraph:**

If the cartridge memory 2 and the cartridge case 1C are disassembled intending to take out the magnetic tape MT, the cut-off line portion 2d of the cartridge memory 2 is broken, whereby information from the cartridge memory 2 becomes unreadable. So, if ~~it is tried to~~an attempt is made to try and change the magnetic tape MT and cartridge memory 2 for the purpose

of tampering with them, an act of changing in itself becomes impossible. A proof of someone trying to tamper with the cartridge case remains by virtue of the cartridge memory 2 being broken. That is, with the proof surely remaining in this way, a user does not use a magnetic tape without knowing ~~being~~ that it has been tampered with, whereby the data authentication is assured.

**Please replace the first full paragraph on page 5 with the following new paragraph:**

As described above, the invention is not limited to the above embodiment and various embodiments are available.

**Please replace the second full paragraph on page 5 with the following new paragraph:**

In the embodiment, although the cut-off line portion 2d along the longitudinal direction is formed at the approximately center 2d (fragile portion) along the lateral direction, the invention is not limited to this. The fragile portion may be formed anywhere if it is at a position at which the cartridge memory 2 can be separated and broken. For example, as shown in FIGS. 2A and 2B, by making the fragile portion formed along the lateral direction at ~~the~~ approximately the center (2d') in the longitudinal direction of the board 2a, composing the cartridge memory 2 so as to be separated into the globe top 2c and loop antenna 2b is available.

**Please replace the paragraph bridging pages 5 and 6 with the following new paragraph:**

In the embodiment, although the cut-off line portion 2d making fine holes arrayed as a perforation is adopted as a fragile portion, the invention is not limited to this and anything is

available if it is composed so that the cartridge memory 2 may be easily broken to be separated into two or more parts when the cartridge case 1C is disassembled. For example, with the board 2a being partially made of material with low strength which is easy to break, the portion may be made as the fragile portion.